

Medical Officer's Report

223

18th November 1940

1939.

BORDER RURAL DISTRICT COUNCIL.
ANNUAL REPORT OF THE MEDICAL OFFICER OF
HEALTH FOR THE YEAR 1939, WITH THE
SANITARY INSPECTOR'S REPORT.

Staff:

A. H. TOWERS, M.B., Ch.B., B.Hy., D.P.H., Medical Officer of Health.

J. S. WATSON, R.S.I., and Meat and Food Inspector's Certificate, Sanitary Inspector and Housing Officer.

C. W. FRASER, R.S.A. (Scot.), Assistant Sanitary Inspector and Housing Officer.

To the BORDER RURAL DISTRICT COUNCIL.

MR. CHAIRMAN, LADIES AND GENTLEMEN:

I beg to submit my (first) Annual Report, that for the year ending December, 1939, which is prepared in accordance with Circulars 1961 and 2067, the latter of which recommends that, owing to increasing pressure of work in the Public Health Departments of Local Authorities, reports should be condensed as far as possible.

Although this report refers to the year 1939, I only assumed office as your Medical Officer on 1st October of that year.

Vital statistics bear a close resemblance to those in the year for 1938 and call for no comment.

It is gratifying to record that the generally anticipated increase in the number of cases of infectious disease as a result of such a large scale movement of the population at susceptible ages did not in fact occur.

The number of cases of minor ailments (scabies, impetigo, etc.) did for a time tax the available resources very severely.

Very considerable additional work has fallen on myself and the department as a result of the many Civil Defence Measures which local authorities are called upon to undertake.

Probably the most outstanding feature in this respect was the reception of evacuated expectant mothers and children from the North East. Although I had not officially taken up my appointment at that time, I felt it incumbent to assist in the reception programme.

As a result of the outbreak of hostilities, many schemes of housing, sewerage and water supplies which the Council had on hand have necessarily been deferred till more normal times.

Joining the staff of the department at such a particularly difficult time, it would not have been surprising had I found the difficulties almost insurmountable. That this did not turn out to be the case was due to the unstinting help and advice of all my colleagues, especially those in the Health Department. In this connection I must especially mention your Chief Sanitary Inspector and Housing Officer, Mr. Watson. Without his constant help and closest co-operation I must have found my task an impossible one.

I would also wish to thank all members of the Council for their unvarying courtesy and consideration.

I am, Sir,

Ladies and Gentlemen,

Your obedient Servant,

A. H. TOWERS,

Medical Officer of Health.

SECTION A.

Statistics and Social conditions of the area.

Area (in acres)	250,464
Population (Registrar-General's estimate of resident population mid-1939) ...	26,790
(Actual population about 30,000)	
Number of inhabited houses (end of 1939) according to the RateBooks	7,800
Rateable Value	£137,835
Sum represented by a penny rate	£526

SOCIAL CONDITIONS—The principal source of employment in the area is agriculture.

There are, however, Calico Works and Mills and some mines, quarries and brickworks, but these industries do not adversely affect the general health of the population.

Some areas continue to grow as residential areas, notably the Wetheral-Scotby area. This is due to their proximity to Carlisle and easy access thereto for business people as well as to retired people leaving the City. Unemployment has diminished owing to war conditions.

Extracts from Vital Statistics.

		Male	Female
Live Births—(i) Legitimate	...	175	167
„ (ii) Illegitimate	...	17	13
		<hr/> 192	<hr/> 180

Birth Rate per 1,000 of the population, 14.5.

This figure compares with other areas as follows:—

(a) England and Wales	...	...	...	15.0
(b) 126 County Boroughs and large towns (including London)	...	...	...	14.8
(c) London	...	...	...	12.3
(d) County of Cumberland	...	...	...	15.9
(e) Urban Districts of Cumberland (including Workington and Whitehaven)	...	...	...	16.6
(f) Rural Districts of Cumberland	...	...	...	15.3
(g) Rural District of Border	...	...	...	14.5

Comparing with previous years:

	1935	1936	1937	1938	1939
Total Births	407	384	362	398	372
Birth Rate	15.6	14.7	14.1	15.4	14.5

Still Births.

	Males	Females	Total
Total	6	8	14
Legitimate	6	7	13
Illegitimate	—	1	1

(a) Rate per 1,000 Total (Live and Still) Births 36.2

(b) Rate per 1,000 of the population ... 5.4

Compared with former years:—

	1935	1936	1937	1938	1939
Numbers	19	16	11	14	14
Rates	44.6	40.0	29.4	33.9	36.2
	.73	.61	.42	.54	.54

Illegitimate Births.

Total	...	...	...	...	30
Rate per 1,000 live Births	...	...	...	...	80.6

Compared with previous years:

	1935	1936	1937	1938	1939
Rates	95.8	59.9	85.0	80.0	80.6

Deaths.

Total	...	...	...	...	338
Male	...	...	...	...	165
Female	...	...	...	...	173

Crude Death rate per 1,000 of population 12.6

Corrected " " " 10.3

These figures are the same as last year.

Previous years:

	1935	1936	1937	1938	1939
Deaths	353	327	364	326	338
Crude Rate	13.5	12.5	14.2	12.6	12.6
Corrected Rate	11.07	10.2	11.6	10.3	10.3

Compared with other areas we find:

England and Wales	...	...	...	...	12.1
County of Cumberland	...	...	...	...	12.9
Urban Districts of Cumberland (including Workington and Whitehaven)	...	...	...	...	13.8

Rural Districts of Cumberland	...	...	...	12.0
Border Rural District	...	...	...	10.3

Deaths from Puerperal Causes.

	Deaths	Rate per 1,000 total (live and still births)
Puerperal Sepsis	1	2.5
Other Puerperal Causes	4	10.0
Total	5	

Death Rate of Infants under one year of age:

All infants per 1,000 live births	50.8
Legitimate infants per 1,000 legitimate live births	40.7
Illegitimate infants per 1,000 illegitimate live births	166.6

Compared with other areas:

England and Wales	50.0
County of Cumberland	56.0
Urban Districts of Cumberland (including Workington and Whitehaven)	56.0
Rural Districts of Cumberland	55.0
Border Rural District	50.8

Previous years:

	1935	1936	1937	1938	1939
Numbers	22	24	17	21	19
Rates	5.4	6.2	46.9	50.2	50.8
Deaths from Cancer (all ages)	...	...	...	...	52
„ „ Measles (all ages)	...	...	...	...	—
„ „ Whooping Cough (all ages)	...	...	...	...	3
„ „ Diarrhoea (under 2 years of age)	...	...	...	...	4

Causes of Death.

	Male	Female
Typhoid and Paratyphoid fevers	—	—
Measles	—	—
Scarlet Fever	—	—
Whooping Cough	—	3
Diphtheria	—	1
Influenza	3	5
Encephalitis Lethargica	—	—
Cerebro Spinal Fever	—	—
Syphilis	—	—
Pulmonary Tuberculosis	2	5
Other Tubercular Diseases	1	1
General Paralysis of the Insane	—	—
Cancer	23	29
Diabetes	1	6
Cerebral Haemorrhage	13	4
Heart Disease	48	48
Aneurysm	1	—
Other Circulatory Diseases	5	16
Bronchitis	2	6
Pneumonia (all forms)	5	5
Other Respiratory Diseases	2	1
Peptic Ulcer	2	—
Diarrhoea (under 2 years)	1	—
Appendicitis	1	1
Cirrhosis of liver	—	1
Other liver diseases	—	1
Other Digestive Diseases	5	3
Acute and Chronic Nephritis	7	4
Puerperal Sepsis	—	1
Other Puerperal Diseases	—	4
Congenital Debility and Premature Birth	5	8
Senility	6	6
Suicide	2	—
Other Violence	17	6
Other Defined Diseases	12	8
Ill Defined Diseases	—	—
Diarrhoea (2 years and over)	1	—
Total ...	165	173

No unusual or excessive mortality occurred during the year from any particuuar cause.

Heart Disease continues to show by far the largest number of deaths, 96 as compared with 97 last year. The proportion to total deaths being 28.4%.

Deaths from Malignant Disease are 3 more than last year—59 as against 49, or 15% of the total.

Facilities for the early diagnosis and treatment of cancer are available by means of co-operation with the County Health Department, whereby Radium treatment is available for all, in suitable cases. Only such cases are sent for Radium treatment as are certified suitable by surgical specialists.

SECTION B.

General Provision of Health Services for the area.

(a) LABORATORY FACILITIES.

There has been no change during the year, the Pathological Laboratory of the Cumberland Infirmary being available for the examination of swabs, sputa, water and milk and food samples.

(b) AMBULANCE FACILITIES.

These continue to be adequate, the area being served by the Police Ambulance, Carlisle, and by the Brampton and District Ambulance for general cases.

For Infectious Diseases, the Ambulance of the Carlisle and Longtown Infectious Diseases Hospitals.

(c) NURSING IN THE HOME.

There are 15 district nurses available for this and the area is now well covered.

(d) CLINICS AND TREATMENT CENTRES.

There are 2 Treatment Centres in your area, at Brampton and Carlisle under the administration of the County Council. Your Medical Officer (being also an Assistant Medical Officer of the County Council) is in Medical charge of both Centres.

Brampton.

This centre has a

- (a) Dental Clinic;
- (b) School Clinic;
- (c) Infant Welfare Clinic;
- (d) Tuberculosis Dispensary.

School Clinic.

254 individual children attended with total attendances of 779.

Infant Welfare Clinic.

22 new cases of infants under 12 months and 37 new cases of children 1—5 years attended.

The total attendances of Infants was 190, and of children 1—5 years, 249.

At both the above Clinics a number of evacuated children attended during the last quarter but separate figures are not available.

Tuberculosis Dispensary.

The number of cases in the Dispensary Register at the end of the year was 32.

4 new cases of Definite Tuberculosis were dealt with and a number of casual cases found to be non-tubercular.

53 Contacts of known cases were examined and none found to be suffering from the disease.

In all 200 attendances were made (including contacts).

49 Home visits were made by the Medical Officer and 12 consultations held with practitioners.

For tuberculosis purposes only, the Brampton Centre includes the Alston area.

Carlisle Centre.

The same Clinics are held as at Brampton.

School Clinic.

153 individual children recorded 460 attendances.

Infant Welfare Centre.

17 Infants under 12 months recorded 27 attendances.
21 children 1—5 years made 53 attendances.

Owing to this Centre being in Carlisle, the attendances are largely limited to the more urgent types of cases as the distance from the nearest County area, and travelling difficulties and expenses are considerable.

Tuberculosis Dispensary.

4 new cases of definite tuberculosis were dealt with and 4 casual cases attended and were found to be non-infected.

The number of attendances (including contacts) was 173. 41 contacts were examined and none found to be infected.

8 Home visits were made by the Medical Officer and 4 consultations held with practitioners.

The number of cases on the Register on December 31st was 36.

(e) HOSPITALS.

Cases of Infectious Diseases are sent to:—

- (a) Carlisle City Fever Hospital;
- (b) Longtown Isolation Hospital.

SECTION C.

Sanitary Circumstances of the Area.

Water Supplies.

Crew Fell Scheme.

The scheme for the Parishes of Bewcastle, Stapleton, Nicholforest and Kirkandrews, and for the augmentation of supplies in the adjoining parishes of Arthuret and Kirkandrews was completed early in the year.

Wetheral Parish.

The augmentation and improvement of the existing supply has been held up owing to the National Emergency.

Sufficiency of Supplies.

The increase in population arising out of evacuation, and demands for emergency works, has imposed a great strain on the existing sources of supply. The pooling of supplies by interconnection of Schemes has allowed most demands to be met.

Sewerage.

Thurstonfield.

A scheme combining Thurstonfield with the adjoining village of Kirkbampton in the Wigton Rural District was approved by the Ministry but was held up by the incidence of war.

Dalston.

The scheme for Dalston and district was prepared and submitted to the Ministry but the public inquiry arranged was cancelled owing to the outbreak of hostilities.

Burgh-by-Sands.

This village was provided with a system of sewerage and sewage disposal. The pumping station plant will be duplicated when circumstances permit.

SECTION D.

Housing.

With the exception of 2 schemes in progress and nearing completion (Burgh-by-Sands and Corby Hill) no new housing programme has been possible.

There exist some cases of overcrowding but these were dealt with as far as possible as the two above named schemes became available for rehousing.

Other proposed housing schemes have been deferred pending the return of more normal conditions.

SECTION E.

Inspection and Supervision of Food.

Milk Sampling.

The joint scheme of milk sampling carried out by your officials and the County Council has been continued and operates satisfactorily.

During the year samples were collected from 135 "Tuberculin Tested" and "Accredited" producers, with an average of 4 samples from each. The results were as follows:—

(a) Number of producers with no unsatisfactory samples	...	...	...	...	...	72
(b) Number of producers with 1 unsatisfactory sample	...	...	...	...	...	37

(c) Number of producers with 2 unsatisfactory samples	...	...	...	...	...	16
(d) Number of producers with 3 unsatisfactory samples	...	...	...	...	...	9
(e) Number of producers with 4 or more unsatisfactory samples	...	...	...	...	...	1
						<hr/> 135 <hr/>

SECTION F.

Prevalence of, and Control over, Infectious and other Diseases.

There was no outstanding feature in the incidence of infectious disease during the year.

During the last quarter a number of cases of measles occurred but the epidemic never got out of hand. Complicated cases of the type necessitating admission to hospital were remarkably scarce.

Two cases of Cerebro-Spinal Fever occurred, one early in the year and the other during the last quarter. In view of the possibility of this disease becoming epidemic, arrangements were made to 'pool' isolation accommodation with neighbouring sanitary authorities with a view to eliminating waste of accommodation. Thus it was arranged that all Cerebro-Spinal Fever cases should be admitted to the Carlisle City Infectious Diseases Hospital in return for which Carlisle City cases of Scarlet Fever, complicated measles, etc. would be accommodated at Longtown Isolation Hospital and Diphtheria at Penrith Isolation Hospital, etc.

This temporary arrangement supplies the great advantage of having the most serious diseases and those requiring most laboratory facilities to be located at a central hospital and in close proximity to the Pathological Laboratory of the Cumberland Infirmary.

	Total cases notified.		Cases admitted to hospital.		Total Deaths.
	1939	1938			
Smallpox	—	—	—	—	—
Scarlet Fever	47	56	37	—	—
Diphtheria	10	5	10	1	—
Enteric, incl. Paratyphoid	2	—	2	—	—
Puerperal Pyrexia	8	3	—	—	—
Pneumonia	25	23	2	—	—
Cerebro-Spinal Fever ...	2	—	2	—	—
Erysipelas	13	12	3	—	—
Ophthalmia Neonatorum	3	1	—	—	—

In addition to the above, 50 cases of Measles and 4 of Whooping Cough occurred, none of the cases ending fatally.

Age groups of Infectious Disease.	Smallpox	Scarlet Fever.	Diphtheria	Enteric, incl. Paratyphoid	Puerperal Pyrexia	Pneumonia	Cerebro-Sp. Fever	Erysipelas	Ophthalmia Neonatorum
Under 1 year	—	—	—	—	—	1	—	1	3
1 year	—	1	—	—	—	1	—	—	—
2 years	—	4	1	—	—	—	—	—	—
3 "	—	5	—	—	—	1	—	—	—
4 "	—	2	—	—	—	—	—	—	—
5 "	—	13	3	—	—	1	—	—	—
10 "	—	15	1	1	—	—	1	—	—
15 "	—	4	2	1	—	—	1	1	—
20 "	—	2	3	—	7	3	—	3	—
35 "	—	—	—	—	1	4	—	2	—
45 "	—	1	—	—	—	12	—	6	—
65 and over	—	—	—	—	—	2	—	—	—
Totals	—	47	10	2	8	25	2	13	3

Tuberculosis.

No action was taken under the Public Health (Prevention of Tuberculosis) Regulations, 1935, or under Section 172 of the Public Health Act, 1936.

New Cases and Mortality during 1939.

Age Periods.	New Cases				Deaths			
	Respiratory		Non-Resp't'y		Respiratory		Non-Resp't'y	
	M	F	M	F	M	F	M	F
1 year	—	—	—	—	—	—	—	—
5 years	—	1	3	1	—	—	—	—
15 "	—	1	—	—	—	—	—	—
25 "	1	1	2	—	1	2	—	—
35 "	2	1	1	2	—	2	1	—
45 "	—	3	—	—	—	—	—	—
55 "	1	1	—	3	1	—	—	—
65 "	—	—	—	—	—	—	—	—
and upwards	2	—	—	—	—	1	—	1
Totals	6	8	6	6	2	5	1	1

The ratio of non-notified tuberculosis deaths to total tuberculosis deaths was 11% (1 case). Notification is efficient and no action was taken or was necessary in regard to neglect or refusal to notify a case.

The death rate from tuberculosis was .33 per 1,000 of the population.

Compared with former years we find :—

	1935	1936	1937	1938	1939
Number of Deaths	2	5	12	11	7
Rate	0.7	0.13	0.4	0.4	0.33

The number of cases on the Tuberculosis Register on 31st December was :—

Pulmonary		Non-Pulmonary	
Males	Females	Males	Females
30	40	27	19

Of the new cases notified during the year, the following occurred in Garlands Mental Hospital:

			Males	Females
Pulmonary	...	...	1	4
Non-Pulmonary	...	...	2	4

or 42% of notified cases.

REPORT OF THE CHIEF SANITARY INSPECTOR AND HOUSING OFFICER

for year ending 31st December, 1939.

TO THE BORDER DISTRICT COUNCIL.

MR. CHAIRMAN, LADIES AND GENTLEMEN:

I beg to submit my sixth annual report.

During the year my staff has been reduced by three, two joined H.M. Forces and one was transferred to the Food Control Office. Also the position of Medical Officer was vacant from 30th June to 1st October.

Although, as a result of the outbreak of war, Housing activities were curtailed and Meat Inspection considerably reduced by the introduction of the Government's Scheme of Meat Control, considerable additional work has been placed on the Department by the operation of the Government Evacuation Scheme, Salvage of Waste Material and several other Civil Defence matters.

Evacuation.

The Government Evacuation Scheme was put into operation in September and over a period of four days 4,232 persons were received as follows:—

School Children	...	...	...	...	2,307
Teachers and Helpers	...	...	...	...	287
Mothers (including 348 Expectant Mothers)	...				753
Children under School Age	...	...	...		885
					<hr/> 4,232 <hr/>

I should like to place on record my thanks to all those people—particularly the Billeting Officers—who so willingly assisted in the work.

Notices Served.

The number of Notices served during the year was 106 as set out in the following table:—

	Formal	Informal	
Public Health Acts	9	54	
Housing Acts	—	24	
Milk and Dairies Acts and Orders —		19	
Totals	9	97	106

Excluding the formal Notices served under the Housing Acts, the notices have been either complied with or proposals for carrying out the necessary works have been agreed to.

Housing.

Reconditioning.

Twenty-four houses—against forty-three last year—have been thoroughly reconditioned and several more would have been done but for the outbreak of hostilities.

Housing (Rural Workers) Acts.

The Cumberland County Council have decided for the time being that grants under the above Acts will not be available except where the cottages are required for agricultural purposes.

Eight applications (affecting 21 houses) for assistance were submitted to me by the County Council for inspection and report. Seventeen houses were completed.

Overcrowding.

Number of cases of overcrowding relieved by the Local Authority.

	Cases.	Families	Persons
(i) Slum Clearance	2	2	9
(ii) Ordinary	9	9	52
Total	11	11	61

Re-Housing.

The Government decided that no further schemes of building should be undertaken at present, but the schemes in course of construction could be completed.

The following table shows the present position :—

	Place	Number
Houses completed	Cummersdale	26
	Cumwhinton	8
	Cargo	8
	Rockcliffe	2
	Longtown	40
	Dalston	12
		— 96
Houses in course of erection	Corby Hill	24
	Burgh-by-Sands	12
		— 36
Deferred owing to the war	Brampton	36
	Castle Carrock	2
	Orton	6
		— 44

Housing (Financial Provisions) Act, 1938.

Six applications were received for subsidies for the provision of 9 houses for agricultural workers by private persons. Two houses were completed during the year.

Drainage and Water-Closets.

The number of water closets provided in place of earth-closets or privies is 100. 67 of these are drained to the Council's sewers and 33 to cesspools. In all, 100 houses have been provided with new drainage systems.

Water Supplies.

The number of houses provided with a sufficient water supply was 135.

Camping Sites.

During the year the several camping sites have been conducted in such a way as to give no cause for complaint.

- | | | | | | |
|----|---|-----|-----|-----|---|
| 1. | Number of sites in the area used for camping purposes during 1939 | ... | ... | ... | 9 |
| 2. | Number of camping sites in respect of which licences have been issued by the local authority under Section 269 of the Public Health Act, 1936 | ... | ... | ... | 9 |

Milk and Dairies Acts and Orders.

The number of registered producers in the district is 1,256 the same as last year.

The work of alteration and improvement of cowsheds and dairy premises continues satisfactorily. 861 inspections have been made, 19 notices or letters issued,

22 existing cow-sheds have been altered and improved, and 7 new cowsheds have been provided. In addition, suitable cooling and sterilising rooms together with sterilising equipment have been provided to 26 premises. With regard to dirty conditions of cowsheds and cattle, 12 notices were served.

The scheme of milk sampling entered into with the County Council provides for all sampling to be done by this authority and samples are collected under the following heads:—

Accredited producers	Once in each quarter.
Tuberculin Tested Producers (Wholesale)	Once in each quarter.
Tuberculin Tested Producers (Retail)	Once in each month.
School Milk Supplies	Three times a year in the 1st, 2nd, and 4th quarters.
Ungraded milks	Up to 100 samples to be taken during the year.

In addition, the Carlisle Corporation kindly co-operate and they undertake to collect samples from producers whose premises are situated in the Council's area, and who retail milk in the City, thus preventing overlapping.

It was not found possible to take the required number of samples during the latter half of the year but it is anticipated that satisfactory arrangements will be made to carry out this work during 1940.

The number of samples taken during the year is as follows :—

Samples collected by Carlisle Corporation ... 176

Samples collected by Rural District Council :—

	1937	1938	1939		
Accredited	409	423	226		
Tuberculin Tested	77	103	69		
School Milk	60	63	45		
Ordinary Producers	52	39	7	...	347
				Total	523

Table showing licences in force in the district previous to and during the year 1939 :—

Year	Tuberculin Tested Licences	Accredited Licences
Previous to 1935	4	3
1935	11	85
1936	23	111
1937	32 (4 cancelled during the year)	124
1938	35	123
1939	42	123 (1 cancelled during the year).

Comparative statement showing Accredited and Tuberculin Tested Licences in force in the various districts in the County during the year.

District	No. of Accredited Licences	No. of T.T. Licences
Rural Districts:		
Alston	—	3
BORDER	123	42
Cockermouth	36	10
Ennerdale	25	5
Millom	17	2
Penrith	21	21
Wigton	80	10
Urban Districts:		
Cockermouth	2	—
Keswick	—	—
Maryport	4	—
Penrith	1	—
Borough Councils:		
Whitehaven	13	1
Workington	4	1
	<hr/> 326	<hr/> 95

Slaughter Houses.

There are 16 licensed slaughterhouses in the district and during the year 678 inspections were made including 9 for emergency slaughter.

Under the Government Scheme for the control of meat, the use of all the Slaughterhouses in the district for purposes of slaughtering ceased shortly after the commencement of the war and all meat for the district is supplied from a central slaughterhouse in Carlisle.

Shops Act, 1934.

76 shops have been inspected and in all it was found that the provisions as to lighting, ventilation, heating and sanitary accommodation were satisfactory.

Factories and Workshops.

During the year 60 inspections were made of Factories and Workshops in the District and it was found that the provisions of the Act were complied with.

Offensive Trades.

There are two Knackers Yards in the District, both of which have been satisfactorily conducted during the year.

Rats and Mice (Destruction) Act, 1919.

The Council continues to act as agents of the County Council with regard to the distribution of rat-poison, which is supplied free on request.

Eighty-five applications for supplies were received.

Refuse Collection and Disposal.

Refuse collection has continued during the year in the several areas in the district. Additions were made to the areas previously collected, including the Parishes of Burgh-by-Sands and Beaumont. In addition refuse is being collected from various military establishments.

A Scheme for the Salvage of Waste Material is being put into operation in accordance with the wishes of the Ministry of Supply. It is hoped to obtain the aid of the Women's Institutes and other voluntary organisations in this important work.

Record of Inspections, etc.

Houses inspected	...	...	...	...	...	345
„	re Infectious Diseases	...	...	...	...	12
„	re Overcrowding	...	...	...	...	30
„	re Dirty Conditions	...	...	...	...	5
„	re Animals kept	...	...	...	...	—
„	re Water Supply	...	...	...	...	40
„	re Sanitary Accommodation	...	...	...	...	218
„	under Housing Acts	...	...	...	...	61
„	re Nuisances	...	...	...	...	61
Vans inspected	...	...	...	...	...	37
Schools	...	...	...	...	...	17
Factories and Workshops	...	...	...	...	...	60
Bakehouses	...	...	...	...	...	24
Cowsheds	...	...	...	...	...	861
Slaughterhouses inspected	...	...	...	...	...	678
Number of Visits—emergency slaughter	...	...	...	...	...	9
Offensive Trades inspected	...	...	...	...	...	43
Drains inspected and tested	...	...	...	...	...	100
No. of inspections—Watercourses, etc.	...	...	...	...	...	9
„	Refuse Tips	...	...	...	...	121
Miscellaneous	...	...	...	...	...	137
Interviews with Owners, Agents, etc.	...	...	...	...	...	210
Inspections under Petroleum Acts	...	...	...	...	...	41
Milk Sampling	...	...	...	...	...	347
Complaints	...	...	...	...	...	31
Shops Act	...	...	...	...	...	76

LIST OF WORKS EXECUTED :

	By Notice	Witho't Notice
Houses		
Provided with sufficient supply of water	—	135
" " " closet		
accommodation	55	12
Closets converted to W.C.'s	55	12
W.C.'s cleansed and repaired	—	10
Disinfected	—	24
Workshops		
Bakehouses limewashed and cleansed ...	—	12
Milk and Dairies Orders		
Cowsheds reconstructed and/or		
improved	—	22
New cowsheds provided	—	7
Cooling and Sterilising Rooms provided		
and improved and sterilising plants		
installed	—	26
Cowsheds cleansed and limewashed ...	12	—
Drains		
Existing drains connected to sewer ...	—	21
New drains provided and connected to		
sewer	55	12
New drains provided to cesspools ...	—	33
Cleansed	15	—
Ashpits		
Constructed (New)	2	—
Cleansed	8	—
Offensive Trades		
Premises limewashed	—	2
Offensive accumulations removed ...	2	3
Slaughter Houses		
Premises limewashed	—	16

I am,

Your obedient Servant,

J. S. WATSON,

Sanitary Inspector